



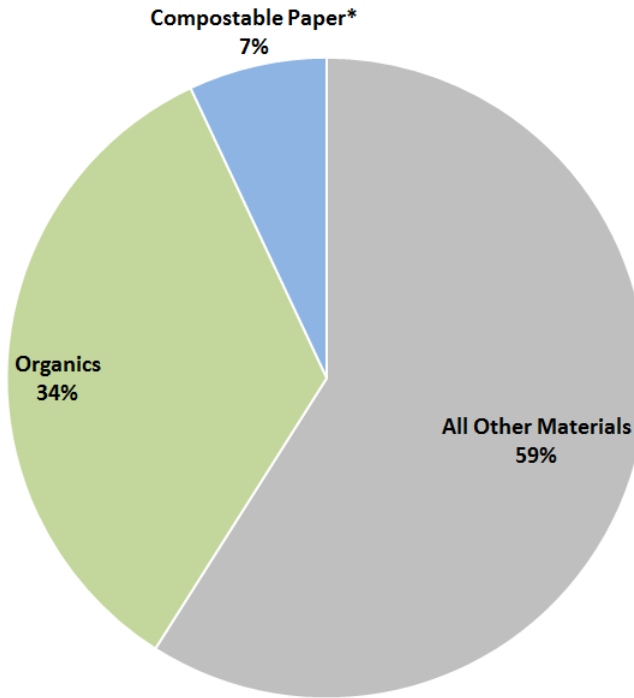
# AB 1826 Mandatory Organics Recycling

What Sunnyvale Businesses Need to Know!

March 9, 2016 Workshop

# Why Organics?

Organics in California's Overall Disposed Waste Stream, 2014



Organics are:

- Food
- Green – leaves, grass
- Landscaping – prunings, trimmings, branches, stumps
- Non-Hazardous Wood Waste
- Compostable Paper includes food-soiled paper and other compostable paper

Data from CalRecycle's 2014  
*Disposal Facility-Based  
Characterization of Solid Waste in  
California*

- Biggest portion of waste stream left that can be recycled
- 30% or 30 million tons of organics landfilled in CA each year
- Next step to meet CA's aggressive recycling and greenhouse gas (GHG) emission goals
- Food in landfills = significant source of GHG due to methane

# Why Am I Here?

## *AB 1826 Requires*

- 2016 threshold: 8 cubic yards/week food scraps, food-soiled paper, wood or landscape trimmings
- City must provide “outreach, education and monitoring”
- City reports efforts annually to State

## *How Do I Know We Qualify?*

- As a starting point, City used CalRecycle Generator ID Tool
- Site visits will be conducted to verify quantity of organics

**Sign up today for a 1:1 visit!**

# What the Law Requires

- Businesses must separate food scraps & food-soiled paper for collection
- Program will be phased in over several years
- By 2017 if 4 cubic yards of garbage then organics service required





# What Is Included?

- Food scraps
- Food-soiled paper
- Food ware with Biodegradable Products Institute certification, [bpiworld.org](http://bpiworld.org)



**Food-Soiled  
Paper OK**



# Why do we have to use BPI certified food ware?



- Third party tested and can break down in commercial composting facilities
- However, we enthusiastically encourage the use of reusable ware!







CLEAN WATER ACTION | CLEAN WATER FUND

# ReThink Disposable

STOP WASTE BEFORE IT STARTS  
[www.rethinkdisposable.org](http://www.rethinkdisposable.org)

Dara Rossoff Powell

Waste Prevention Program Associate

March 9, 2016



# Source Reduction

- ❑ Generate less waste to begin with
- ❑ Less to capture, control, divert
- ❑ Reduces costs
- ❑ Reduces lifecycle eco- impacts
- ❑ Part of a suite of solutions



# Reusables vs. Disposables

## Environmental Lifecycle



70 uses



36 uses

## Water Usage



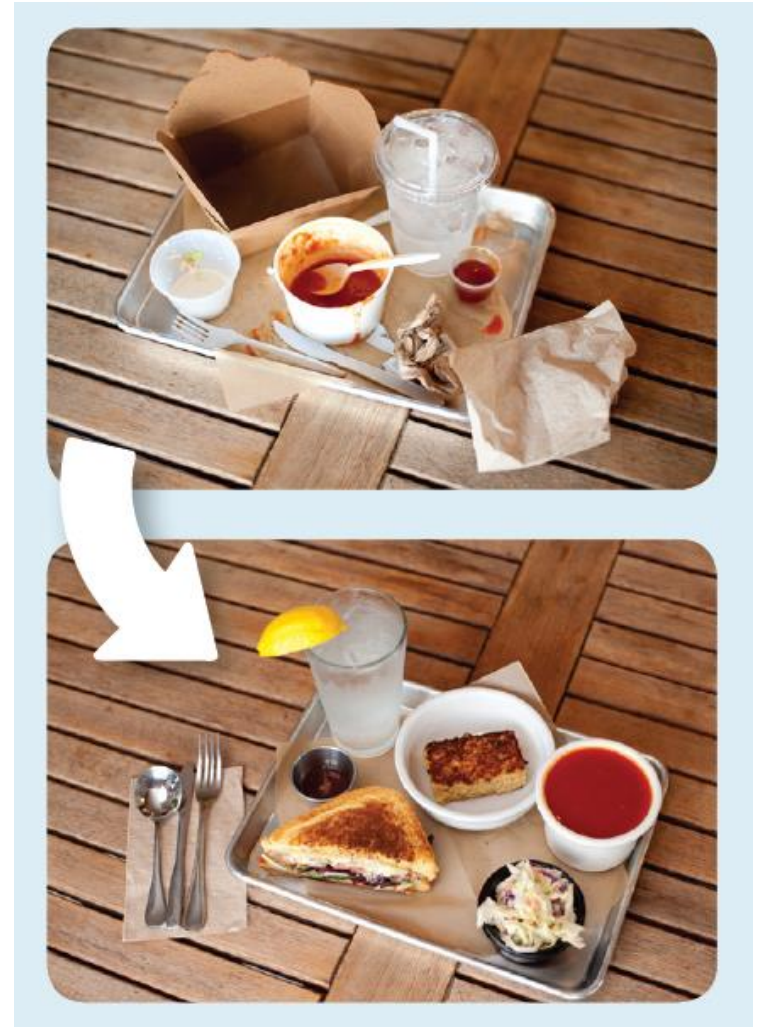
vs.



Reduced water usage by  
64% over 1,000 uses

# What We Offer Food Service Businesses

- ❑ Free technical assistance
- ❑ Recommendations replace disposable products with reusables, and reduce and eliminate disposable items
- ❑ Recommendations reduce waste and save money
- ❑ Measure, Calculate, and Report on Program Impacts
- ❑ We are NOT recommending alternative disposable products (i.e. compostables)



# ReThink Disposable

Partnership with the City of Sunnyvale

- 100 ReThink Disposable **small food business** participants and growing

## **30 completed with data:**

- Total disposable items reduced= **2, 816, 792**
- Total annual waste prevented= **15 tons**
  - ▣ (average **987 lbs. per business**)
- Businesses save an average of **\$3,033 annually**





# ReThink Disposable Recommendations



Get 25¢ off when  
you bring your cup  
or container!



Self serve



# ReThink Disposable Recommendations



# Bishop O'Dowd High School

## Results:

| Recommendation                                | Products Replaced or Minimized | % Disposable Reduction | Payback Period | Annual Savings<br>(after payback period) | Annual Waste Reduction |
|---|--------------------------------|------------------------|----------------|--|------------------------|
| Replace disposable plate with reusable basket | 9-inch Round plate             | 81%                    | 21 days        | \$6,415                                  | 3,339 lbs.             |
| Replace disposable plate with reusable basket | 9-inch Oval plate              | 8%                     | 0 days         | \$44                                     | 37 lbs.                |
| TOTAL   |                                |                        |                | \$6,459                                  | 3,376 lbs.             |

## THE BOTTOM LINE



# ReThink Disposable in Sunnyvale

- Accepting inquiries NOW.
- Two spots are still available in Sunnyvale. Businesses that are approved will receive Free Technical Assistance and a \$300 mini grant.
- Contact us for a free consultation to see if your business will qualify.



**ReThink  
Disposable**  
STOP WASTE BEFORE IT STARTS

**PARTICIPATING BUSINESS**

REDUCING WASTE • SAVING MONEY • GOING GREEN

[www.rethinkdisposable.org](http://www.rethinkdisposable.org)





CLEAN WATER ACTION

CLEAN WATER FUND

# ReThink Disposable

STOP WASTE BEFORE IT STARTS

[www.rethinkdisposable.org](http://www.rethinkdisposable.org)

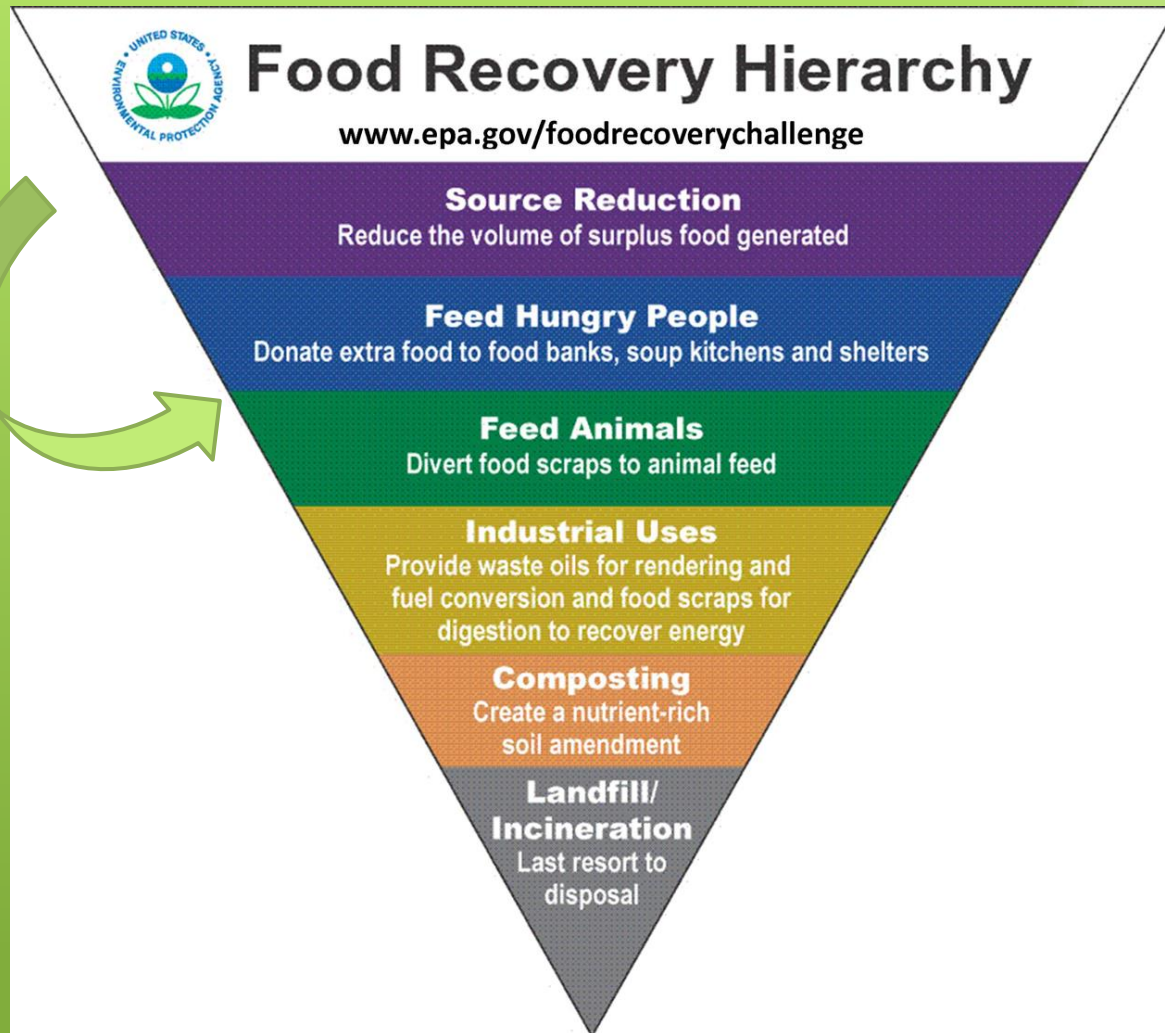
Dara Rossoff Powell  
Waste Prevention Associate  
[drossoff@cleanwater.org](mailto:drossoff@cleanwater.org)  
415-369-9160 ext 340

# Landscape Trimmings & Wood Waste = Separate Bin



Call 408-730-7400, Sunnyvale  
Utility Customer Service, to  
order a wood waste box.

# Sunnyvale is choosing highest and best use of organics:







## Like the Good Ole' Days, Our Food Scraps will Feed Animals!

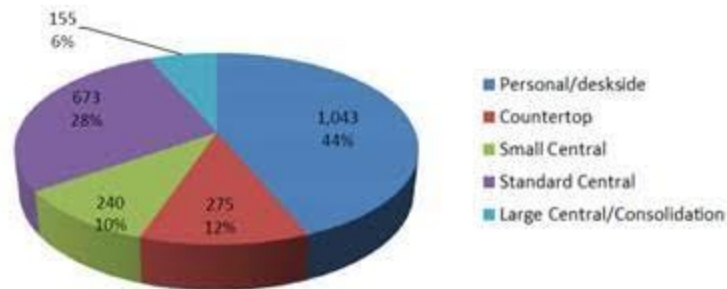
- Residue removed with auger
- The resulting "mash" is heated and sterilized, then dried
- 90% converted into feed meal, water and oil; remaining 10% goes to compost
- No greenhouse gasses produced
- Important to keep it clean!!



# Interior Containers & Liners

- City Negotiated Vendor Discounts on Interior Containers
- Clear or Compostable Liners Only

**Top bin types ordered**  
(total # containers)



# of businesses  
that ordered  
(out of 217) >

| Personal /<br>deskside<br>1-7 gal | Countertop<br>1-2 gal | Small Central<br>10-20 gal | Standard<br>Central<br>20-30 gal | Large Central /<br>Consolidation,<br>30+ gal |
|-----------------------------------|-----------------------|----------------------------|----------------------------------|--|
| 80                                | 55                    | 63                         | 145                              | 49   |

# Cost & Service

- Rates Posted Online "City of Sunnyvale Utility Billing"
- Right Size Service to Reduce Garbage Fees
- City to Provide Technical Assistance, Free posters, Bin Stickers, Recognition



# Next Steps

- Schedule 1:1 Site Visit with City
- Interior Collection Containers/Supplies
- Train Food Service Staff, Facilities, Janitors, Employees



# Thanks and See You Soon!

- Mary Lindemuth, Environmental Services Department
- [mlindemuth@sunnyvale.ca.gov](mailto:mlindemuth@sunnyvale.ca.gov)
- (408) 730-7484